Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_\_\_\_\_\_

**Unit 2 Lesson 4 and 5 Study Guide**

You must show your work to balance the equation. You will not receive full credit without showing your process.

|  |  |
| --- | --- |
| 1. Show the **balancing** of this equation to solve for x.   -6x = -96  Check your work: | 2. Show the **balancing** of this equation to solve for x.  x  Check your work: |
| 3. Show the **balancing** of this equation to solve for x.  X - 4 = -7  Check your work: | 4. Show the **balancing** of this equation to solve for x.  -54 = x - 9  Check your work: |
| \*\*\*THIS TYPE OF PROBLEM WILL NOT BE ON THE LESSON 4 AND 5 QUIZ\*\*\*  5. Kayden has a total of $37. He earned $25 (of the $37) by mowing his neighbor’s lawn. He earned the rest of the money painting a house.   1. Write an equation that can be used to find how much money Kayden earned by painting. 2. Solve for the amount of money Kayden earned painting. | \*\*\*THIS TYPE OF PROBLEM WILL NOT BE ON THE LESSON 4 AND 5 QUIZ\*\*\*  6. When Jackson swiped his metro card (before riding the train) he had $2 on his card. On his way out, his card showed a balance of -$7.   1. Write an equation that can be used to find how much his trip cost. 2. Solve the equation to find out how much Jackson’s trip cost. |
| 7. Is x = -14 a solution for 3x = 42? Why or why not? | 8. Is x = 9 a solution for 5 - x = 14? Why or why not? |